

Table 1. Metric tons (mt) of retained catch observed by port group and gear type from open access fixed-gear trips occurring in less than 50 fathoms from January 1, 2004 to April 30, 2006.

2004 Port Group	Hook and Line Total mt	Pot Total mt	All gears Total mt
Astoria	1.7	*	*
S Oregon	8.0		8.0
Crescent City/ Eureka	15.1		15.1
Fort Bragg	0.4	*	*
Monterey/ San Francisco	1.6		1.6
Morro Bay	2.3	0.3	2.5
Santa Barbara	0.5	1.6	2.1
Los Angeles	0.5	3.7	4.2
ALL PORTS	30.2	6.7	36.9

2005 Port Group	Hook and Line Total mt	Pot Total mt	All gears Total mt
Astoria	1.9		1.9
S Oregon	9.8		9.8
Crescent City/ Eureka	10.1		10.1
Fort Bragg	0.6	*	*
Monterey/ San Francisco	2.1	*	*
Morro Bay	0.7		0.7
Santa Barbara/ Los Angeles	1.0	1.7	2.7
ALL PORTS	26.1	1.7	27.8

2006 (Jan 1 - Apr 30) Port Group	Hook and Line Total mt	Pot Total mt	All gears Total mt
Astoria	*		*
S Oregon	1.4		1.4
Crescent City	0.2		0.2
Fort Bragg	0.1	*	*
Monterey	*		*
Morro Bay	0.4	*	*
Santa Barbara/ Los Angeles			
ALL PORTS	2.3	0.2	2.5

Note: The dashed line indicates the dividing line between ports included in the northern and southern areas.

* Data is not listed because of confidentiality issues

Table 2. Weights for selected species/species groups from observed sets at depths less than 50 fm and from fish tickets from the open access, fixed-gear fishery by area from January 1, 2004 to April 30, 2006.

Year	Area	Species	Observed Retained Catch (lbs)	Fishticket Landings (lbs)	Observed lb as a % of fishticket lb
2004	North of 40°10' N	Minor nearshore rockfish	43,403	500,463	9%
		Cabazon	3,140	67,078	5%
		Kelp Greenling	1,826	51,866	4%
	South of 40°10' N	Minor nearshore rockfish	5,325	138,806	4%
		Cabazon	3,174	103,400	3%
		Kelp Greenling	72	4,035	2%
		California sheephead	11,427	87,299	13%
2005	North of 40°10' N	Minor nearshore rockfish	34,986	516,736	7%
		Cabazon	4,720	70,773	7%
		Kelp Greenling	1,997	46,743	4%
	South of 40°10' N	Minor nearshore rockfish	4,629	133,650	3%
		Cabazon	624	61,271	1%
		Kelp Greenling	62	3,274	2%
		California sheephead	3,891	88,615	4%
2006 (Jan 1 - Apr 30)	North of 40°10' N	Minor nearshore rockfish	2,814	46,939	6%
		Cabazon	523	6,574	8%
		Kelp Greenling	336	2,526	13%
	South of 40°10' N	Minor nearshore rockfish	876	15,530	6%
		Cabazon	757	12,689	6%
		Kelp Greenling	69	1,141	6%
		California sheephead	43	10,413	0%

CAVEATS: Ratios of observed to landed poundage should **NOT** be used for purposes of expanding observed retained or discarded catch up to fleet-wide totals. Coverage of the open access fishery was opportunistic. Coverage levels were not constant across areas or time, and thus observer data may not be representative of the entire fishery.

Table 3. Number of observed open access fixed-gear trips occurring at less than 50 fm by port group and gear type from January 1, 2004 to April 30, 2006.

2004	Hook and Line		Pot	
	Number of trips	Percentage of observed trips by port group	Number of trips	Percentage of observed trips by port group
Port Group				
Astoria	24	8%	*	*
S Oregon	76	24%		
Crescent City/ Eureka	109	34%		
Fort Bragg	12	4%	*	*
Monterey/ San Francisco	26	8%		
Morro Bay	47	15%	4	6%
Santa Barbara	12	4%	10	16%
Los Angeles	13	4%	34	54%
ALL PORTS	319	100%	63	100%

2005	Hook and Line		Pot	
	Number of trips	Percentage of observed trips by port group	Number of trips	Percentage of observed trips by port group
Port Group				
Astoria	28	10%		
S Oregon	100	35%		
Crescent City/ Eureka	61	22%		
Fort Bragg	14	5%	*	*
Monterey/ San Francisco	41	15%	*	*
Morro Bay	23	8%		
Santa Barbara/ Los Angeles	15	5%	20	87%
ALL PORTS	282	100%	23	100%

2006 (Jan 1 - Apr 30)	Hook and Line		Pot	
	Number of trips	Percentage of observed trips by port group	Number of trips	Percentage of observed trips by port group
Port Group				
Astoria	*	*		
S Oregon	22	47%		
Crescent City	4	9%		
Fort Bragg	5	11%	*	*
Monterey	*	*		
Morro Bay	13	28%	*	*
Los Angeles				
ALL PORTS	47	100%	5	100%

Notes: The dashed line indicates the dividing line between ports included in the northern and southern areas.

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Table 4. Number of observed open access fixed-gear sets occurring at less than 50 fm by port group and gear type from January 1, 2004 to April 30, 2006.

2004	Hook and Line		Pot		All Gears	
	Number of sets	Percentage of observed sets by port group	Number of sets	Percentage of observed sets by port group	Number of sets	Percentage of observed sets by port group
Port Group						
Astoria	37	7%	*	*	*	*
S Oregon	134	27%			134	22%
Crescent City/ Eureka	149	30%			149	24%
Fort Bragg	17	3%	*	*	*	*
Monterey/ San Francisco	50	10%			50	8%
Morro Bay	68	14%	6	5%	74	12%
Santa Barbara	22	4%	17	14%	39	6%
Los Angeles	17	3%	65	52%	82	13%
ALL PORTS	494	100%	125	100%	619	100%
2005	Hook and Line		Pot		All Gears	
	Number of sets	Percentage of observed sets by port group	Number of sets	Percentage of observed sets by port group	Number of sets	Percentage of observed sets by port group
Port Group						
Astoria	32	9%			32	8%
S Oregon	125	36%			125	33%
Crescent City/ Eureka	78	22%			78	21%
Fort Bragg	20	6%	*	*	*	*
Monterey/ San Francisco	47	13%	*	*	*	*
Morro Bay	33	9%			33	9%
Santa Barbara/ Los Angeles	16	5%	26	90%	42	11%
ALL PORTS	351	100%	29	100%	380	100%
2006 (Jan 1 - Apr 30)	Hook and Line		Pot		All Gears	
	Number of sets	Percentage of observed sets by port group	Number of sets	Percentage of observed sets by port group	Number of sets	Percentage of observed sets by port group
Port Group						
Astoria	*	*			*	*
S Oregon	33	52%			33	45%
Crescent City	4	6%			4	5%
Fort Bragg	7	11%	*	*	*	*
Monterey	*	*			*	*
Morro Bay	16	25%	*	*	*	*
Los Angeles						
ALL PORTS	64	100%	9	100%	73	100%

Note: The dashed line indicates the dividing line between ports included in the northern and southern areas.

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Table 5. Number of open access fixed-gear vessels observed fishing at less than 50 fm by port group and gear type from January 1, 2004 to April 30, 2006.

2004	Hook and Line		Pot	
	Number of vessels	Percentage of observed vessels by port group	Number of vessels	Percentage of observed vessels by port group
Port Group				
Astoria	8	10%	*	*
S. Oregon	20	24%		
Crescent City/ Eureka	15	18%		
Fort Bragg	4	5%	*	*
Monterey/ San Francisco	9	11%		
Morro Bay	15	18%	3	13%
Santa Barbara	8	10%	6	26%
Los Angeles	4	5%	11	48%

2005	Hook and Line		Pot	
	Number of vessels	Percentage of observed vessels by port group	Number of vessels	Percentage of observed vessels by port group
Port Group				
Astoria	12	14%		
S. Oregon	32	37%		
Crescent City/ Eureka	11	13%		
Fort Bragg	6	7%	*	*
Monterey/ San Francisco	14	16%	*	*
Morro Bay	6	7%		
Santa Barbara/ Los Angeles	6	7%	6	75%

2006 (Jan 1 - Apr 30)	Hook and Line		Pot	
	Number of vessels	Percentage of observed vessels by port group	Number of vessels	Percentage of observed vessels by port group
Port Group				
Astoria	*	*		
S. Oregon	10	48%		
Crescent City/ Eureka	3	14%		
Fort Bragg	3	14%	*	*
Monterey/ San Francisco	*	*		
Morro Bay	3	14%	*	*
Los Angeles				

Note: The dashed line indicates the dividing line between ports included in the northern and southern areas.

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Table 6. Number of observed open access, fixed-gear sets occurring by area, depth, season, and gear from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Year	Area	Season	Hook and Line			Pot			All Gear			All Depths and Gears
			0-10 fm	11-20 fm	21-50 fm	0-10 fm	11-20 fm	21-50 fm	0-10 fm	11-20 fm	21-50 fm	
2004	North	summer	131	114	17	*	*		137	133	17	287
		winter	16	37	5				16	37	5	58
		all	147	151	22	*	*		153	170	22	345
	South	summer	84	36	2	52	11		136	47	2	185
		winter	19	20	10	31	3	1	50	23	11	84
		all	103	56	12	83	14	1	186	70	13	269
2005	North	summer	79	90	8				79	90	8	177
		winter	24	30	4				24	30	4	58
		all	103	120	12				103	120	12	235
	South	summer	59	29	4	15	1		74	30	4	108
		winter	12	7	5	1	12		13	19	5	37
		all	71	36	9	16	13		87	49	9	145
2006 (Jan 1 - Apr 30)	North	summer										
		winter	29	8					29	8	0	37
		all	29	8					29	8	0	37
	South	summer										
		winter	22	4		8		1	30	4	1	35
		all	22	4		8		1	30	4	1	35

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Table 7. Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Year Gear Season		0 - 10 fm					11 - 20 fm					21 - 50 fm					All Depths				
		Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
		lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
South																					
Shallow nearshore species																					
2004	summer	312	19%	1,325	81%	1,637	170	23%	564	77%	734	6	15%	37	85%	43	488	20%	1,926	80%	2,414
	winter	73	23%	242	77%	316	43	32%	89	68%	131	3	100%			3	119	26%	331	74%	450
	all	385	20%	1,567	80%	1,952	212	25%	653	75%	865	10	20%	37	80%	47	607	21%	2,257	79%	2,864
2005	summer	183	17%	877	83%	1,061	77	26%	222	74%	300						261	19%	1,100	81%	1,360
	winter	19	45%	23	55%	42	30	84%	6	16%	36	56	100%			56	105	79%	28	21%	134
	all	202	18%	900	82%	1,102	108	32%	228	68%	336	56	100%			56	366	24%	1,128	76%	1,494
2006	summer																				
	winter	47	11%	386	89%	433	17	49%	17	51%	34	3	100%			3	64	14%	406	86%	470
	all	47	11%	386	89%	433	17	49%	17	51%	34	3	100%			3	64	14%	406	86%	470
Deeper nearshore species																					
2004	summer	123	18%	566	82%	689	311	18%	1,453	82%	1,764	234	52%	214	48%	448	668	23%	2,233	77%	2,901
	winter	20	20%	83	80%	103	111	14%	685	86%	796	23	100%			23	154	17%	768	83%	922
	all	143	18%	649	82%	792	422	16%	2,138	84%	2,560	257	55%	214	45%	471	822	21%	3,001	79%	3,823
2005	summer	95	24%	309	76%	404	60	7%	829	93%	888						155	12%	1,137	88%	1,292
	winter	16	5%	282	95%	298	178	55%	145	45%	322	141	100%			141	335	44%	427	56%	762
	all	111	16%	591	84%	702	238	20%	973	80%	1,211	141	100%			141	490	24%	1,564	76%	2,054
2006	summer																				
	winter	41	24%	129	76%	170	14	4%	326	96%	340						55	11%	455	89%	510
	all	41	24%	129	76%	170	14	4%	326	96%	340						55	11%	455	89%	510
All minor nearshore rockfish																					
2004	summer	441	18%	1,958	82%	2,399	533	20%	2,187	80%	2,721	241	49%	251	51%	492	1,214	22%	4,397	78%	5,611
	winter	93	22%	325	78%	419	175	18%	775	82%	949	26	100%	0	0%	26	294	21%	1,100	79%	1,394
	all	534	19%	2,283	81%	2,817	707	19%	2,963	81%	3,670	268	52%	251	48%	519	1,508	22%	5,497	78%	7,005
2005	summer	297	18%	1,396	82%	1,694	154	10%	1,349	90%	1,503	0		0		0	452	14%	2,745	86%	3,196
	winter	35	10%	307	90%	342	208	58%	151	42%	358	197	100%	0	0%	197	440	49%	457	51%	898
	all	332	16%	1,703	84%	2,035	363	19%	1,499	81%	1,862	197	100%	0	0%	197	892	22%	3,202	78%	4,094
2006	summer	0		0		0	0		0		0	0		0		0	0		0		0
	winter	89	15%	515	85%	604	32	9%	343	91%	375	3	100%	0	0%	3	121	12%	861	88%	982
	all	89	15%	515	85%	604	32	9%	343	91%	375	3	100%	0	0%	3	121	12%	861	88%	982

Table 7 (cont). Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Year Gear Season	0 - 10 fm						11 - 20 fm						21 - 50 fm						All Depths								
	Discard			Retained			Total			Discard			Retained			Total			Discard			Retained			Total		
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb		
South																											
Kelp Greenling																											
2004 summer	676	95%	38	5%	714	16	100%		16	31	100%		31	722	95%	38	5%	761									
winter	13	29%	31	71%	43	1	24%	3	76%	3				13	29%	33	71%	47									
all	688	91%	69	9%	757	17	87%	3	13%	19	31	100%		31	736	91%	72	9%	807								
2005 summer	70	61%	45	39%	115	14	100%		14					84	65%	45	35%	129									
winter	1	3%	17	97%	17	11	100%		11					11	40%	17	60%	28									
all	71	53%	62	47%	132	25	100%		25					96	61%	62	39%	158									
2006 summer																											
winter	47	41%	69	59%	117	7	100%		7	70	100%		70	125	64%	69	36%	194									
all	47	41%	69	59%	117	7	100%		7	70	100%		70	125	64%	69	36%	194									
Black Rockfish																											
2004 summer	6	8%	67	92%	73	52	23%	170	77%	223	1	100%		1	58	20%	238	80%	296								
winter						21	94%	1	6%	22				21	94%	1	6%	22									
all	6	8%	67	92%	73	73	30%	172	70%	245	1	100%		1	79	25%	239	75%	318								
2005 summer	19	8%	210	92%	229	17	5%	298	95%	315				36	7%	508	93%	544									
winter			2	100%	2											2	100%	2									
all	19	8%	212	92%	231	17	5%	298	95%	315				36	7%	510	93%	546									
2006 summer																											
winter	1	100%			1	1	100%		1					2	100%			2									
all	1	100%			1	1	100%		1					2	100%			2									

Table 7 (cont). Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area	Species	Year	Gear	Season	0 - 10 fm			11 - 20 fm			21 - 50 fm			All Depths		
					Discard	Retained	Total	Discard	Retained	Total	Discard	Retained	Total	Discard	Retained	Total
					lb %	lb %	lb	lb %	lb %	lb	lb %	lb %	lb	lb %	lb %	lb
South Cabezon		2004	Hook and Line	summer	6 8%	67 92%	73	52 23%	170 77%	223	1 100%		1	58 20%	238 80%	296
				winter				21 94%	1 6%	22				21 94%	1 6%	22
				all	6 8%	67 92%	73	73 30%	172 70%	245	1 100%		1	79 25%	239 75%	318
			Pot	summer	677 42%	949 58%	1,626	78 89%	10 11%	88				755 44%	959 56%	1,714
				winter	197 29%	477 71%	674	7 100%		7				204 30%	477 70%	681
				all	874 38%	1,426 62%	2,300	85 89%	10 11%	95				959 40%	1,436 60%	2,395
			2005	Hook and Line												
				summer	569 49%	594 51%	1,163	55 100%		55				624 51%	594 49%	1,218
				winter	1 8%	14 92%	15	46 100%		46	6 100%		6	53 80%	14 20%	67
				all	570 48%	607 52%	1,178	101 100%		101	6 100%		6	677 53%	607 47%	1,284
			Pot	summer	30 79%	8 21%	38							30 79%	8 21%	38
				winter	6 39%	9 61%	15							12 58%	9 42%	21
				all	36 68%	17 32%	52							42 72%	17 28%	59
			2006	Hook and Line												
				summer												
				winter	87 22%	314 78%	401	31 65%	17 35%	48				118 26%	331 74%	449
				all	87 22%	314 78%	401	31 65%	17 35%	48				118 26%	331 74%	449
			Pot	summer												
				winter	116 28%	303 72%	419					123 100%	123	116 21%	426 79%	542
				all	116 28%	303 72%	419					123 100%	123	116 21%	426 79%	542

Table 7 (cont). Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Year Gear Season	0 - 10 fm						11 - 20 fm						21 - 50 fm						All Depths					
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total				
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb				
South																								
California Sheephead																								
2004																								
Hook and Line																								
summer	18	4%	458	96%	476			54	100%	54						18	3%	512	97%	530				
winter	6	22%	22	78%	29			5	100%	5						6	19%	27	81%	33				
all	24	5%	481	95%	505			58	100%	58						24	4%	539	96%	563				
Pot																								
summer	3,423	37%	5,710	63%	9,134	748	39%	1,151	61%	1,900						4,172	38%	6,862	62%	11,033				
winter	1,535	32%	3,277	68%	4,812	181	25%	547	75%	729	37	16%	202	84%	239	1,753	30%	4,026	70%	5,780				
all	4,958	36%	8,987	64%	13,945	929	35%	1,699	65%	2,628	37	16%	202	84%	239	5,925	35%	10,888	65%	16,813				
2005																								
Hook and Line																								
summer			223	100%	223													223	100%	223				
winter																								
all			223	100%	223													223	100%	223				
Pot																								
summer	552	32%	1,154	68%	1,706	96	54%	81	46%	177						648	34%	1,235	66%	1,883				
winter						1,493	38%	2,433	62%	3,926						1,493	38%	2,433	62%	3,926				
all	552	32%	1,154	68%	1,706	1,589	39%	2,514	61%	4,103						2,141	37%	3,668	63%	5,809				
2006																								
Hook and Line																								
summer																								
winter			43	100%	43													43	100%	43				
all			43	100%	43													43	100%	43				
Pot																								
summer																								
winter																								
all																								

Table 7 (cont). Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Gear	0 - 10 fm						11 - 20 fm						21 - 50 fm						All Depths					
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total				
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb				
North																								
Black Rockfish																								
2004	summer	315	2%	15,017	98%	15,332	119	1%	8,627	99%	8,746	0	0%	563	100%	563	434	2%	24,207	98%	24,641			
	winter	20	1%	2,607	99%	2,627	62	1%	7,596	99%	7,658	2	0%	558	100%	559	84	1%	10,761	99%	10,844			
	all	335	2%	17,624	98%	17,959	181	1%	16,223	99%	16,404	2	0%	1,120	100%	1,122	518	1%	34,968	99%	35,485			
2005	summer	363	3%	13,701	97%	14,063	376	4%	8,585	96%	8,961	21	6%	330	94%	351	759	3%	22,616	97%	23,375			
	winter	29	2%	1,854	98%	1,883	54	2%	2,873	98%	2,927			114	100%	114	82	2%	4,841	98%	4,924			
	all	391	2%	15,555	98%	15,946	429	4%	11,459	96%	11,888	21	5%	443	95%	464	842	3%	27,457	97%	28,299			
2006	summer																							
	winter	164	7%	2,062	93%	2,226	18	4%	493	96%	511						182	7%	2,555	93%	2,737			
	all	164	7%	2,062	93%	2,226	18	4%	493	96%	511						182	7%	2,555	93%	2,737			
Blue Rockfish																								
2004	summer	203	22%	711	78%	915	210	20%	847	80%	1,057	4	4%	89	96%	93	416	20%	1,648	80%	2,064			
	winter	37	8%	439	92%	476	146	6%	2,138	94%	2,284	1	0%	272	100%	272	184	6%	2,848	94%	3,032			
	all	241	17%	1,150	83%	1,391	356	11%	2,985	89%	3,341	4	1%	361	99%	365	600	12%	4,496	88%	5,096			
2005	summer	319	21%	1,178	79%	1,497	482	39%	769	61%	1,251	4	7%	49	93%	53	805	29%	1,995	71%	2,800			
	winter	52	5%	1,076	95%	1,127	196	8%	2,257	92%	2,454	1	1%	86	99%	87	249	7%	3,419	93%	3,668			
	all	371	14%	2,253	86%	2,624	679	18%	3,026	82%	3,704	5	4%	136	96%	140	1,054	16%	5,414	84%	6,469			
2006	summer																							
	winter	26	13%	170	87%	197	13	27%	35	73%	47						39	16%	205	84%	244			
	all	26	13%	170	87%	197	13	27%	35	73%	47						39	16%	205	84%	244			
Other nearshore species																								
2004	summer	31	5%	532	95%	562	78	6%	1,281	94%	1,359	10	1%	955	99%	964	119	4%	2,767	96%	2,886			
	winter			10	100%	10			68	100%	68			46	100%	46			124	100%	124			
	all	31	5%	542	95%	573	78	5%	1,349	95%	1,427	10	1%	1,000	99%	1,010	119	4%	2,891	96%	3,010			
2005	summer	5	2%	209	98%	214	48	5%	897	95%	945			531	100%	531	53	3%	1,637	97%	1,690			
	winter	7	12%	54	88%	61	5	3%	143	97%	148			8	100%	8	12	6%	205	94%	217			
	all	12	4%	263	96%	275	53	5%	1,041	95%	1,094			539	100%	539								
2006	summer																							
	winter	7	26%	20	74%	27	2	4%	35	96%	36						9	13%	55	87%	63			
	all	7	26%	20	74%	27	2	4%	35	96%	36						9	13%	55	87%	63			

Table 7 (cont). Discard rates for species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2003 to August 31, 2004. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Gear Season	0 - 10 fm						11 - 20 fm						21 - 50 fm						All Depths					
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total				
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb				
North																								
All minor nearshore rockfish																								
2004	summer	549	3%	16,260	97%	16,809	407	4%	10,755	96%	11,162	14	1%	1,607	99%	1,620	969	3%	28,622	97%	29,591			
	winter	57	2%	3,056	98%	3,113	208	2%	9,802	98%	10,010	3	0%	876	100%	877	268	2%	13,733	98%	14,000			
	all	607	3%	19,316	97%	19,923	615	3%	20,557	97%	21,172	16	1%	2,481	99%	2,497	1,237	3%	42,355	97%	43,591			
2005	summer	687	4%	15,088	96%	15,774	906	8%	10,251	92%	11,157	25	3%	910	97%	935	1,617	6%	26,248	94%	27,865			
	winter	88	3%	2,984	97%	3,071	255	5%	5,273	95%	5,529	1	0%	208	100%	209	343	4%	8,465	96%	8,809			
	all	774	4%	18,071	96%	18,845	1,161	7%	15,526	93%	16,686	26	2%	1,118	98%	1,143	1,896	5%	32,871	95%	34,768			
2006	summer																							
	winter	197	8%	2,252	92%	2,450	33	6%	563	95%	594						230	8%	2,815	92%	3,044			
	all	197	8%	2,252	92%	2,450	33	6%	563	95%	594						230	8%	2,815	92%	3,044			
Cabazon																								
2004	summer	243	18%	1,082	82%	1,325	418	18%	1,911	82%	2,329			147	100%	147	661	17%	3,140	83%	3,801			
	winter	58	100%			58	26	100%			26	24	100%			24	108	100%			108			
	all	301	22%	1,082	78%	1,383	444	19%	1,911	81%	2,355	24	14%	147	86%	171	769	20%	3,140	80%	3,909			
2005	summer	106	13%	706	87%	812	178	9%	1,737	91%	1,916			135	100%	135	284	10%	2,579	90%	2,863			
	winter	14	5%	260	95%	275	14	1%	1,851	99%	1,865			30	100%	30	28	1%	2,142	99%	2,170			
	all	121	11%	966	89%	1,087	192	5%	3,589	95%	3,781			166	100%	166	313	6%	4,720	94%	5,033			
2006	summer																							
	winter	45	19%	193	81%	238	9	3%	330	97%	339						53	9%	523	91%	577			
	all	45	19%	193	81%	238	9	3%	330	97%	339						53	9%	523	91%	577			
Kelp Greenling																								
2004	summer	145	18%	668	82%	813	163	13%	1,086	87%	1,248	3	4%	72	96%	74	310	15%	1,825	85%	2,135			
	winter	72	98%	1	2%	73	61	100%			61						133	99%	1	1%	134			
	all	217	24%	669	76%	886	224	17%	1,086	83%	1,309	3	4%	72	96%	74	443	20%	1,826	80%	2,269			
2005	summer	172	40%	257	60%	430	331	21%	1,261	79%	1,591	4	42%	6	58%	11	507	25%	1,524	75%	2,031			
	winter	103	30%	243	70%	346	89	28%	226	72%	315			2	100%	2	191	29%	471	71%	662			
	all	275	35%	501	65%	776	419	22%	1,487	78%	1,906	4	37%	8	63%	12	699	26%	1,995	74%	2,694			
2006	summer																							
	winter	54	21%	205	79%	260	19	13%	131	87%	150						73	18%	336	82%	409			
	all	54	21%	205	79%	260	19	13%	131	87%	150						73	18%	336	82%	409			

Table 8. Discard rates for rebuilding species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Season	0 - 10 fm						11-20 fm						21-50 fm						All Depths					
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total				
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb				
2004 South																								
Bocaccio Rockfish																								
winter						3	100%			3	2	8%	24	92%	27	5	18%	24	82%	30				
summer						0	100%			0						0	100%			0				
all						3	100%			3	2	8%	24	92%	27	6	18%	24	82%	30				
Canary Rockfish																								
winter											6	100%			6	6	100%			6				
summer		0	100%		0	228	100%		228	38	100%			38	267	100%				267				
all		0	100%		0	228	100%		228	44	100%			44	273	100%				273				
Cowcod Rockfish																								
winter																								
summer																								
all																								
Darkblotched Rockfish																								
winter																								
summer																								
all																								
Lingcod																								
winter	319	100%			319	225	100%		225	21	100%			21	566	100%				566				
summer	579	33%	1,166	67%	1744	527	34%	1,041	66%	1569	55	21%	211	79%	265	1,161	32%	2,418	68%	3578				
all	898	44%	1,166	56%	2064	752	42%	1,041	58%	1794	76	27%	211	73%	287	1,727	42%	2,418	58%	4144				
Pacific Ocean Perch																								
winter																								
summer																								
all																								
Widow Rockfish																								
winter																								
summer						1	100%		1						1	100%				1				
all						1	100%		1						1	100%				1				
Yelloweye Rockfish																								
winter																								
summer																								
all																								

Table 8 (cont). Discard rates for rebuilding species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Season	0 - 10 fm					11-20 fm					21-50 fm					All Depths				
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
2004 North																				
Bocaccio Rockfish																				
winter																				
summer																				
all																				
Canary Rockfish																				
winter	8	100%			8	28	100%			28	21	100%			21	57	100%			57
summer	91	100%			91	250	99%	2	1%	252	62	100%			62	404	99%	2	1%	406
all	99	100%			99	278	99%	2	1%	280	83	100%			83	461	100%	2	0%	463
Cowcod Rockfish																				
winter																				
summer																				
all																				
Darkblotched Rockfish																				
winter																				
summer																				
all																				
Lingcod																				
winter	403	100%			403	418	100%			418	18	100%			18	838	100%			838
summer	1,329	36%	2,414	64%	3743	1,916	34%	3,795	66%	5711	102	10%	872	90%	974	3,347	32%	7,080	68%	10428
all	1,732	42%	2,414	58%	4146	2,334	38%	3,795	62%	6129	120	12%	872	88%	992	4,186	37%	7,080	63%	11266
Pacific Ocean Perch																				
winter																				
summer																				
all																				
Widow Rockfish																				
winter								2	100%	2	2	35%	3	65%	4	2	24%	5	76%	6
summer			4	100%	4			4	100%	4								8	100%	8
all			4	100%	4			6	100%	6	2	35%	3	65%	4	2	11%	13	89%	14
Yelloweye Rockfish																				
winter											9	100%			9	9	100%			9
summer	23	100%			23	207	100%			207	124	100%			124	354	100%			354
all	23	100%			23	207	100%			207	133	100%			133	363	100%			363

Table 8 (cont). Discard rates for rebuilding species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Season	0 - 10 fm					11-20 fm					21-50 fm					All Depths				
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
2005 South																				
Bocaccio Rockfish																				
winter																				
summer													36	100%	36			36	100%	36
all													36	100%	36			36	100%	36
Canary Rockfish																				
winter						5	100%			5	56	100%			56	61	100%			61
summer	12	100%			12	23	100%			23						35	100%			35
all	12	100%			12	28	100%			28	56	100%			56	96	100%			96
Cowcod Rockfish																				
winter																				
summer																				
all																				
Darkblotched Rockfish																				
winter																				
summer																				
all																				
Lingcod																				
winter	69	100%			69	156	100%			156	28	100%			28	252	100%			252
summer	296	29%	718	71%	1014	440	40%	653	60%	1093			5	100%	5	736	35%	1,376	65%	2112
all	364	34%	718	66%	1082	596	48%	653	52%	1249	28	84%	5	16%	33	988	42%	1,376	58%	2364
Pacific Ocean Perch																				
winter																				
summer																				
all																				
Widow Rockfish																				
winter																				
summer								2	100%	2								2	100%	2
all								2	100%	2								2	100%	2
Yelloweye Rockfish																				
winter											12	100%			12	12	100%			12
summer						10	100%			10						10	100%			10
all						10	100%			10	12	100%			12	21	100%			21

Table 8 (cont). Discard rates for rebuilding species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Season	0 - 10 fm					11-20 fm					21-50 fm					All Depths				
	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total	Discard		Retained		Total
	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb	lb	%	lb	%	lb
2005 North																				
Bocaccio Rockfish																				
winter																				
summer																				
all																				
Canary Rockfish																				
winter	4	100%			4	40	100%			40	8	100%			8	51	100%			51
summer	61	100%			61	171	100%			171	96	100%			96	327	100%			327
all	64	100%			64	210	100%			210	104	100%			104	378	100%			378
Cowcod Rockfish																				
winter																				
summer																				
all																				
Darkblotched Rockfish																				
winter																				
summer																				
all																				
Lingcod																				
winter	978	100%			978	1,429	100%			1429	27	100%			27	2,434	100%			2434
summer	592	30%	1,393	70%	1985	1,218	27%	3,233	73%	4452	32	4%	726	96%	758	1,843	26%	5,353	74%	7195
all	1,571	53%	1,393	47%	2964	2,647	45%	3,233	55%	5880	59	8%	726	92%	785	4,277	44%	5,353	56%	9629
Pacific Ocean Perch																				
winter																				
summer																				
all																				
Widow Rockfish																				
winter						9	21%	36	79%	45			6	100%	6	9	18%	42	82%	51
summer																				
all						9	21%	36	79%	45			6	100%	6	9	18%	42	82%	51
Yelloweye Rockfish																				
winter						6	100%			6	15	100%			15	20	100%			20
summer						68	100%			68	128	100%			128	196	100%			196
all						74	100%			73	143	100%			143	216	100%			216

Table 8 (cont). Discard rates for rebuilding species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Season	0 - 10 fm			11-20 fm			21-50 fm			All Depths		
	Discard		Retained	Total	Discard		Retained	Total	Discard		Retained	Total
	lb	%	lb	%	lb	%	lb	%	lb	%	lb	%
2006 South												
Bocaccio Rockfish												
winter					2	100%	2				2	100%
summer												
all					2	100%	2				2	100%
Canary Rockfish												
winter					4	100%	4				4	100%
summer												
all					4	100%	4				4	100%
Cowcod Rockfish												
winter												
summer												
all												
Darkblotched Rockfish												
winter												
summer												
all												
Lingcod												
winter	278	100%		278	31	100%	31	54	100%	54	363	100%
summer												
all	278	100%		278	31	100%	31	54	100%	54	363	100%
Pacific Ocean Perch												
winter												
summer												
all												
Widow Rockfish												
winter												
summer												
all												
Yelloweye Rockfish												
winter												
summer												
all												

Table 8 (cont). Discard rates for rebuilding species taken from observed open access, fixed-gear fishery at depths less than 50 fm by depth, season, and area from January 1, 2004 to April 30, 2006. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April.

Area Species Season	0 - 10 fm			11-20 fm			21-50 fm			All Depths					
	Discard		Retained	Total	Discard		Retained	Total	Discard		Retained	Total			
	lb	%	lb	%	lb	lb	%	lb	lb	%	lb	lb	%	lb	
2006 North															
Bocaccio Rockfish															
winter															
summer															
all															
Canary Rockfish															
winter	2	100%		2	5	100%		5				7	100%	7	
summer															
all	2	100%		2	5	100%		5				7	100%	7	
Cowcod Rockfish															
winter															
summer															
all															
Darkblotched Rockfish															
winter															
summer															
all															
Lingcod															
winter	474	100%		474	371	100%		371				845	100%	845	
summer															
all	474	100%		474	371	100%		371				845	100%	845	
Pacific Ocean Perch															
winter															
summer															
all															
Widow Rockfish															
winter															
summer															
all															
Yelloweye Rockfish															
winter						2	100%	2					2	100%	2
summer															
all						2	100%	2					2	100%	2

Table 9. Ratio estimate and standard error for the total bycatch of eight overfished species per 100 pounds of nearshore fish^a by area, depth and season from January 1, 2004 to April 30, 2006 on observed open access fixed-gear sets. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April. Standard errors cannot be calculated when there is only one set in a category.

Area	0 - 10 fm			11 - 20 fm			21 - 50 fm		
	Species	Number of tows	Species catch per 100 lb of retained nearshore species	Number of tows	Species catch per 100 lb of retained nearshore species	Number of tows	Species catch per 100 lb of retained nearshore species	Number of tows	Species catch per 100 lb of retained nearshore species
			ratio						
2004 North									
	Bocaccio Rockfish								
	summer	135	0.000	131	0.000	16	0.000		
	winter	16	0.000	37	0.000	5	0.000		
	all	151	0.000	168	0.000	21	0.000		
	Canary Rockfish								
	summer	135	0.580	131	2.213	16	4.782	1.376	
	winter	16	0.297	37	0.353	5	3.175	1.791	
	all	151	0.539	168	1.445	21	4.224	1.090	
	Cowcod Rockfish								
	summer	135	0.000	131	0.000	16	0		
	winter	16	0	37	0	5	0.000		
	all	151	0.000	168	0.000	21	0.000		
	Darkblotched Rockfish								
	summer	135	0.000	131	0.000	16	0		
	winter	16	0	37	0	5	0.000		
	all	151	0.000	168	0.000	21	0.000		
	Lingcod								
	summer	135	23.608	131	50.082	16	78.149	14.825	
	winter	16	15.302	37	5.2125	5	2.646	2.257	
	all	151	22.418	168	31.560	21	51.971	15.572	
	Pacific Ocean Perch								
	summer	135	0.000	131	0.000	16	0		
	winter	16	0	37	0	5	0.000		
	all	151	0.000	168	0.000	21	0.000		
	Widow Rockfish								
	summer	135	0.024	131	0.035	16	0		
	winter	16	0	37	0.025	5	0.642	0.562	
	all	151	0.020	168	0.031	21	0.223	0.168	
	Yelloweye Rockfish								
	summer	135	0.143	131	1.819	16	9.968	3.026	
	winter	16	0	37	0	5	1.323	0.922	
	all	151	0.122	168	1.068	21	6.971	2.515	

^aNearshore species include black rockfish, blue rockfish, brown rockfish, black and yellow rockfish, china rockfish, calico rockfish, copper rockfish, gopher rockfish, grass rockfish, kelp rockfish, puget sound rockfish, quillback rockfish, scorpion rockfish, shortbelly rockfish, treefish, other nearshore rockfish, lingcod, cabezon, sheephead, kelp greenling, and rock greenling.

Table 9 (cont). Ratio estimate and standard error for the total bycatch of eight overfished species per 100 pounds of nearshore fisha by area, depth and season from January 1, 2004 to April 30, 2006 on observed open access fixed-gear sets. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April. Standard errors cannot be calculated when there is only one set in a category.

Area	0 - 10 fm			11 - 20 fm			21 - 50 fm		
	Species	Number of tows	Species catch per 100 lb of retained nearshore species	Number of tows	Species catch per 100 lb of retained nearshore species		Number of tows	Species catch per 100 lb of retained nearshore species	
			ratio		ratio	se		ratio	se
2004 South									
	Bocaccio Rockfish								
	summer	132	0.000	47	0.008	0.008	2	0.000	
	winter	43	0.000	18	0.296	0.283	1	0.000	
	all	175	0.000	65	0.079	0.072	3	0.000	
	Canary Rockfish								
	summer	132	0.003	47	7.359	3.276	2	16.293	6.573
	winter	43	0.000	18	0.000		1	0.000	
	all	175	0.002	65	5.547	2.528	3	8.770	7.967
	Cowcod Rockfish								
	summer	132	0.000	47	0.000		2	0	
	winter	43	0	18	0		1	0.000	
	all	175	0.000	65	0.000		3	0.000	
	Darkblotched Rockfish								
	summer	132	0.000	47	0.000		2	0	
	winter	43	0	18	0		1	0.000	
	all	175	0.000	65	0.000		3	0.000	
	Lingcod								
	summer	132	18.849	47	50.557	10.054	2	112.654	11.049
	winter	43	8.011	18	19.197	8.847	1	0.743	
	all	175	15.665	65	42.838	8.298	3	60.983	46.062
	Pacific Ocean Perch								
	summer	132	0.000	47	0.000		2	0	
	winter	43	0	18	0		1	0.000	
	all	175	0.000	65	0.000		3	0.000	
	Widow Rockfish								
	summer	132	0.000	47	0.019	0.020	2	0	
	winter	43	0	18	0		1	0.000	
	all	175	0.000	65	0.015	0.015	3	0.000	
	Yelloweye Rockfish								
	summer	132	0.000	47	0.000		2	0.000	
	winter	43	0	18	0		1	0.000	
	all	175	0.000	65	0.000		3	0.000	

^aNearshore species include black rockfish, blue rockfish, brown rockfish, black and yellow rockfish, china rockfish, calico rockfish, copper rockfish, gopher rockfish, grass rockfish, kelp rockfish, puget sound rockfish, quillback rockfish, scorpion rockfish, shortbelly rockfish, treefish, other nearshore rockfish, lingcod, cabezon, sheephead, kelp greenling, and rock greenling.

Table 9 (cont). Ratio estimate and standard error for the total bycatch of eight overfished species per 100 pounds of nearshore fisha by area, depth and season from January 1, 2004 to April 30, 2006 on observed open access fixed-gear sets. North is defined as north of 40° 10' N lat and south is defined as south of 40° 10' N lat. Summer is defined as May through October, and winter is defined as November through April. Standard errors cannot be calculated when there is only one set in a category.

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			ratio		ratio	se		ratio	se
2005 North									
	Bocaccio Rockfish								
	summer	75	0.000	89	0.000		8	0.000	
	winter	23	0.000	28	0.000		4	0.000	
	all	98	0.000	117	0.000		12	0.000	
	Canary Rockfish								
	summer	75	0.426	89	1.733	0.394	8	9.537	3.433
	winter	23	0.151	28	0.733	0.292	4	5.937	1.728
	all	98	0.388	117	1.376	0.286	12	9.106	3.014
	Cowcod Rockfish								
	summer	75	0.000	89	0.000		8	0	
	winter	23	0	28	0		4	0.000	
	all	98	0.000	117	0.000		12	0.000	
	Darkblotched Rockfish								
	summer	75	0.000	89	0.000		8	0	
	winter	23	0	28	0		4	0.000	
	all	98	0.000	117	0.000		12	0.000	
	Lingcod								
	summer	75	13.855	89	45.400	5.729	8	75.741	18.065
	winter	23	41.892	28	26.329	7.738	4	19.575	9.589
	all	98	17.777	117	38.605	4.855	12	69.022	15.889
	Pacific Ocean Perch								
	summer	75	0.000	89	0.000		8	0	
	winter	23	0	28	0.000		4	0.000	
	all	98	0.000	117	0.000		12	0.000	
	Widow Rockfish								
	summer	75	0.000	89	0.000		8	0	
	winter	23	0	28	0.830	0.596	4	4.321	3.604
	all	98	0.000	117	0.296	0.216	12	0.517	0.547
	Yelloweye Rockfish								
	summer	75	0.000	89	0.692	0.303	8	12.792	6.102
	winter	23	0	28	0.101	0.093	4	10.802	13.132
	all	98	0.000	117	0.482	0.201	12	12.554	5.468

^aNearshore species include black rockfish, blue rockfish, brown rockfish, black and yellow rockfish, china rockfish, calico rockfish, copper rockfish, gopher rockfish, grass rockfish, kelp rockfish, puget sound rockfish, quillback rockfish, scorpion rockfish, shortbelly rockfish, treefish, other nearshore rockfish, lingcod, cabezon, sheephead, kelp greenling, and rock greenling.

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			ratio		ratio	se		ratio	se
2005 South									
	Bocaccio Rockfish								
	summer	67	0.000	30	0.000		4	18.697	24.283
	winter	8	0.000	13	0.000		5	0.000	
	all	75	0.000	43	0.000		9	5.175	5.815
	Canary Rockfish								
	summer	67	0.405	30	1.874	0.894	4	0.000	
	winter	8	0.000	13	0.149	0.143	5	11.117	2.239
	all	75	0.376	43	0.626	0.287	9	8.040	2.351
	Cowcod Rockfish								
	summer	67	0.000	30	0.000		4	0.000	
	winter	8	0	13	0		5	0.000	
	all	75	0.000	43	0.000		9	0.000	
	Darkblotched Rockfish								
	summer	67	0.000	30	0.000		4	0.000	
	winter	8	0	13	0		5	0.000	
	all	75	0.000	43	0.000		9	0.000	
	Lingcod								
	summer	67	35.707	30	87.383	16.533	4	2.814	3.655
	winter	8	30.846	13	3.673	1.101	5	5.484	1.883
	all	75	35.354	43	26.787	7.548	9	4.745	1.712
	Pacific Ocean Perch								
	summer	67	0.000	30	0.000		4	0.000	
	winter	8	0.000	13	0.000		5	0.000	
	all	75	0.000	43	0.000		9	0.000	
	Widow Rockfish								
	summer	67	0.000	30	0.136	0.137	4	0.000	
	winter	8	0.000	13	0.000		5	0.000	
	all	75	0.000	43	0.038	0.038	9	0.000	
	Yelloweye Rockfish								
	summer	67	0.000	30	0.759	0.764	4	0.000	
	winter	8	0	13	0		5	2.343	0.781
	all	75	0.000	43	0.210	0.215	9	1.695	0.634

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			ratio						
2006									
North									
	Bocaccio Rockfish								
	summer								
	winter	28	0.000	7	0.000				
	all	28	0.000	7	0.000				
	Canary Rockfish								
	summer								
	winter	28	0.096	7	0.886	0.667			
	all	28	0.096	7	0.886	0.667			
	Cowcod Rockfish								
	summer								
	winter	28	0	7	0				
	all	28	0.000	7	0.000				
	Darkblotched Rockfish								
	summer								
	winter	28	0	7	0				
	all	28	0.000	7	0.000				
	Lingcod								
	summer								
	winter	28	22.673	7	60.915	33.492			
	all	28	22.673	7	60.915	33.492			
	Pacific Ocean Perch								
	summer								
	winter	28	0.000	7	0.000				
	all	28	0.000	7	0.000				
	Widow Rockfish								
	summer								
	winter	28	0	7	0.000				
	all	28	0.000	7	0.000				
	Yelloweye Rockfish								
	summer								
	winter	28	0	7	0.295	0.305			
	all	28	0.000	7	0.295	0.305			

^aNearshore species include black rockfish, blue rockfish, brown rockfish, black and yellow rockfish, china rockfish, calico rockfish, copper rockfish, gopher rockfish, grass rockfish, kelp rockfish, puget sound rockfish, quillback rockfish, scorpion rockfish, shortbelly rockfish, treefish, other nearshore rockfish, lingcod, cabezon, sheephead, kelp greenling, and rock greenling.

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			ratio						
2006 South									
	Bocaccio Rockfish								
	summer								
	winter	28	0.000	4	0.461	0.408	1	0.000	
	all	28	0.000	4	0.461	0.408	1	0.000	
	Canary Rockfish								
	summer								
	winter	28	0.000	4	1.193	0.655	1	0.000	
	all	28	0.000	4	1.193	0.655	1	0.000	
	Cowcod Rockfish								
	summer								
	winter	28	0	4	0		1	0.000	
	all	28	0.000	4	0.000		1	0.000	
	Darkblotched Rockfish								
	summer								
	winter	28	0	4	0		1	0.000	
	all	28	0.000	4	0.000		1	0.000	
	Lingcod								
	summer								
	winter	28	34.358	4	9.376	5.089	1	44.106	
	all	28	34.358	4	9.376	5.089	1	44.106	
	Pacific Ocean Perch								
	summer								
	winter	28	0	4	0		1	0.000	
	all	28	0.000	4	0.000		1	0.000	
	Widow Rockfish								
	summer								
	winter	28	0	4	0		1	0.000	
	all	28	0.000	4	0.000		1	0.000	
	Yelloweye Rockfish								
	summer								
	winter	28	0	4	0		1	0.000	
	all	28	0.000	4	0.000		1	0.000	

^aNearshore species include black rockfish, blue rockfish, brown rockfish, black and yellow rockfish, china rockfish, calico rockfish, copper rockfish, gopher rockfish, grass rockfish, kelp rockfish, puget sound rockfish, quillback rockfish, scorpion rockfish, shortbelly rockfish, treefish, other nearshore rockfish, lingcod, cabezon, sheephead, kelp greenling, and rock greenling.